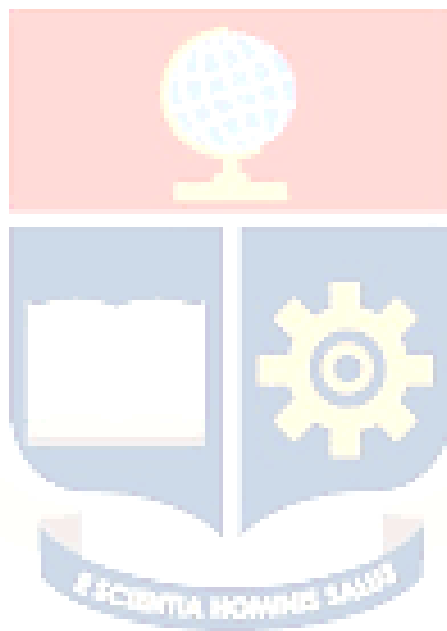


ESCUELA POLITÉCNICA NACIONAL

Diseño de Interfaces

Alumno: Brayan David Pisuña Paillacho

PRUEBA



ESCUELA
POLITÉCNICA
NACIONAL

1. Twiter Geolocalización New York

C: > Users > Brayan Pisuña > Desktop > Prueba > Twitter Geolo > newyork.py > ...




```
1  import couchdb
2  from tweepy import Stream
3  from tweepy import OAuthHandler
4  from tweepy.streaming import StreamListener
5  import json
6
7
8  ###API #####
9  ckey = "6Zyv4XxVypDqHDpFoHwSTrMzX"
10 csecret = "3J5TpltHtmEZGEw8RhRLAbc3KQ2Quhjj2SVVykw5zs02fjtpC"
11 atoken = "153168970-C8H0rPCjztDmLQMrjtgOYSPIzjLMyegrtrAZQOrq"
12 asecret = "WxWpMOMlghN1tVYZRFugRWTeFM1SShLWVI4lL4oPwTA10"
13 #####
14
15 class listener(StreamListener):
16
17     def on_data(self, data):
18         dictTweet = json.loads(data)
19         try:
20
21             dictTweet["_id"] = str(dictTweet['id'])
22             doc = db.save(dictTweet)
23             print ("SAVED" + str(doc) + ">" + str(data))
24         except:
25             print ("Already exists")
26             pass
27         return True
28
29     def on_error(self, status):
30         print (status)
31
32 auth = OAuthHandler(ckey, csecret)
33 auth.set_access_token(atoken, asecret)
34 twitterStream = Stream(auth, listener())
35
36 '''=====couchdb====='''
37 server = couchdb.Server('http://admin:admin@localhost:5984/') #('http://115.146.93.184:5984/')
38 try:
39     db = server.create('bdd1')
40 except:
41     db = server['bdd1']
42
43 '''=====LOCATIONS====='''
44
45 twitterStream.filter(locations=[-74.25909,40.477399,-73.700181,40.916178])
46 twitterStream.filter(track=['NewYork', 'covid', 'alert'])
```

```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE 2: Python Debug Consc
", "protected": false, "verified": false, "followers_count": 442, "friends_count": 1328, "listed_count": 7, "favourites_count": 27038, "statuses_count": 45875, "created_at": "Fri May 14 23:19:08 +0000 2010", "utc_offset": null, "time_zone": null, "geo_enabled": true, "lang": null, "contributors_enabled": false, "is_translator": false, "profile_background_color": "01020A", "profile_background_image_url": "http://abs.twimg.com/images/themes/theme1/bg.png", "profile_background_image_url_https": "https://abs.twimg.com/images/themes/theme1/bg.png", "profile_background_tile": false, "profile_link_color": "19CF86", "profile_sidebar_border_color": "F508F5", "profile_sidebar_fill_color": "080401", "profile_text_color": "09F200", "profile_use_background_image": true, "profile_image_url": "http://pbs.twimg.com/profile_images/1278774685833068551/oU0GX80Y_normal.jpg", "profile_image_url_https": "https://pbs.twimg.com/profile_images/1278774685833068551/oU0GX80Y_normal.jpg", "profile_banner_url": "https://pbs.twimg.com/profile_banners/143970873/1597781308", "default_profile": false, "default_profile_image": false, "following": null, "follow_request_sent": null, "notifications": null, "geo": null, "coordinates": null, "place": {"id": "94965b2c45386f87", "url": "https://api.twitter.com/1.1/geo/id/94965b2c45386f87.json", "place_type": "admin", "name": "New York", "full_name": "New York, USA", "country_code": "US", "country": "United States", "bounding_box": {"type": "Polygon", "coordinates": [[[-79.762590, 40.477383], [-79.762590, 45.015851], [-71.777492, 45.015851], [-71.777492, 40.477383]]]}, "attributes": {}}, "contributors": null, "is_quote_status": false, "quote_count": 0, "reply_count": 0, "retweet_count": 0, "favorite_count": 0, "entities": {"hashtags": [], "urls": [], "user_mentions": [], "symbols": []}, "favorited": false, "retweeted": false, "filter_level": "low", "lang": "en", "timestamp_ms": "1597795420927"}
```

← → ↻ localhost:5984/_utils/#

Aplicaciones Gmail YouTube Maps Correo: BRAVAN DA... Iconos Escritorio... ANP-2020A / avanc... Silabo APPET-API-REST_Gr... Welcome to GCP Fu... Otros marcadores

Bases de datos Cargando... Crear base de datos JSON

| Nombre | Talla | # de documentos | Particionado | Comportamiento |
|--------|----------|-----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| bdd1 | 153,4 KB | 63 | No |    |

Fuente

Tipo: Base de datos local

Nombre: bdd1

Autenticación: Nombre de usuario y contraseña

admin

.....

Objetivo





Tipo: Base de datos local existente







Nombre: bdd2

Autenticación: Nombre de usuario y contraseña

admin

.....

| Fuente | Objetivo | Hora de inicio | Tipo | Estado | Comportamiento |
|----------------------------------------------------------------------------------------------------------------|----------------------------|----------------|----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  http://localhost:5984/bdd1 | http://localhost:5984/bdd2 | | Continuo | |    |

| <input type="checkbox"/> | Fuente ▾ | Objetivo ▾ | Hora de inicio ▲ | Tipo ▾ | Estado ▾ | Comportamiento |
|--------------------------|----------------------------|----------------------------|-----------------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | http://localhost:5984/bdd1 | http://localhost:5984/bdd2 | 18 de agosto, 7:23 pm | Continuo | Corriendo |    |
| <input type="checkbox"/> | http://localhost:5984/bdd2 | http://localhost:5984/bdd1 | 18 de agosto, 7:24 pm | Continuo | Corriendo |    |

2.- TIK – Tok de forma local

```
C:\Users\Brayan Pisuña\Desktop\Prueba\Tik-Tok>tiktok-scraper user soymichellemarti -n 300 -t csv
CSV path: C:\Users\Brayan Pisuña\Desktop\Prueba\Tik-Tok\soymichellemarti_1597791561040.csv
C:\Users\Brayan Pisuña\Desktop\Prueba\Tik-Tok>_
```

Nombre

soymichellemarti_1597791561040

Database Name

bdd4

Collection Name

bdd4.Tiktok

☐ Capped Collection ⓘ

☐ Use Custom Collation ⓘ

Before MongoDB can save your new database, a collection name must also be specified at the time of creation. [More Information](#)

CANCEL

CREATE DATABASE

Select File

C:\Users\Brayan Pisuña\Desktop\Prueba\Tik-Tok\soymichellemarti_159779

[BROWSE](#)

Select Input File Type

JSON

CSV

Options

Select delimiter COMMA ▼☒ Ignore empty strings☐ Stop on errors

Specify Fields and Types

| | <input checked="" type="checkbox"/> id String ▼ | <input checked="" type="checkbox"/> text String ▼ |
|---|----------------------------------------------------|----------------------------------------------------------------------|
| 1 | 6862088695906946309 | Arrebatada dando vuelta en la jeepeta 🤔😏💛💛💛 #foryou #parati # |
| 2 | 6861729411046182149 | Donde lea hago esta coreo a ver? Cebra? Hablen 🤔👤😏 #foryou #para |
| 3 | 6861552785381510405 | #paratipage #foryou #parati #pourtoi #perte #foryoupage |
| 4 | 6861517499729562886 | Que signo eres? 🧐🧐🧐🧐 #foryou #foryoupage #paratipage #parati # |
| 5 | 6861197388107779334 | #duet with @zurdo0015 Buenísimo 🤔🤔🤔🤔🤔 los amo chicos ❤️ #for |
| 6 | 6860955208827145477 | Me gusta mucho bailar @🙏 #foryoupage #foryou #paratipage #parati #pe |
| 7 | 6860920741416783109 | Cantando inspirada 🗑 se las dedico ❤️🤔🤔 Etiqueta a 3 amigos a v |
| 8 | 6860876778802662662 | Chicos aquí normal en el supermercado necesitan algo? #foryoupage #f |

FILTER

OPTIONS

FIND

RESET

...

ADD DATA



VIEW



Displaying documents 1 - 20 of 99

REFRESH

```

_id: ObjectId("5f3c5edbb702b120409b9fe9")
id: "6862088695906946309"
text: "Arrebatada dando vuelta en la jeepeta 🤔🤔💛💛💛 #foryou #parati #para..."
createTime: "1597704534"
> authorMeta: Object
> musicMeta: Object
> covers: Object
webVideoUrl: "https://www.tiktok.com/@soymichellemarti/video/6862088695906946309"
videoUrl: "https://v16m.tiktokcdn.com/97a8692b6695e7816f27b30c81066699/5f3f0045/v..."
videoUrlNoWaterMark: ""
> videoMeta: Object
diggCount: "236000"
shareCount: "1961"
playCount: "4100000"
commentCount: "2656"
downloaded: "false"
mentions: "[]"
hashtags: [{"id": "42164", "name": "foryou", "title": "", "cover": ""}, {"id": "65243", "n..."

```

```

_id: ObjectId("5f3c5edbb702b120409b9fea")
id: "6861729411046182149"
text: "Donde lea hago esta coreo a ver? Cebra? Hablen 🤔🤔💛💛 #foryou #parat..."
createTime: "1597620883"
> authorMeta: Object
> musicMeta: Object
> covers: Object
webVideoUrl: "https://www.tiktok.com/@soymichellemarti/video/6861729411046182149"

```

2. Web Scraping de forma Local

```

C: > Users > Brayan Pisuña > Desktop > Prueba > Web Scraping > WebScraping.py > ...
1  import requests
2  from bs4 import BeautifulSoup
3  # Import MongoClient from pymongo so we can connect to the database
4  from pymongo import MongoClient
5
6
7
8
9  if __name__ == '__main__':
10     # Instantiate a client to our MongoDB instance
11     db_client = MongoClient()
12     bdd3 = db_client.bdd3
13     bdd3 = bdd3
14
15
16     response = requests.get("https://blogs.futbolred.com/ ")
17     soup = BeautifulSoup(response.content, "lxml")
18
19     post_titles = soup.find_all("a", itemprop="url")
20
21     extracted = []
22     for post_title in post_titles:
23         extracted.append({
24             'title' : post_title.text,
25             'link' : "blogs.futbolred.com" + post_title['href']
26         })

```

```

27
28     # Iterate over each post. If the link does not exist in the database, it's new! Add it.
29     for post in extracted:
30         if db_client.bdd3.bdd3.find_one({'link': post['link']}) is None:
31             # Let's print it out to verify that we added the new post
32             print("Found a new listing at the following url: ", post['link'])
33             db_client.bdd3.bdd3.insert(post)

```

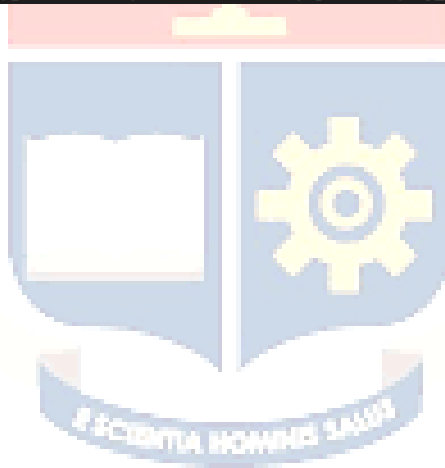
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

2: Python Debug Consc + □ ✕

```


vourites_count":283272,"statuses_count":99505,"created_at":"Sun Jan 22 01:34:53 +0000 2017","utc_offset":null,"time_zone":null,"geo_enabled":f
alse,"lang":null,"contributors_enabled":false,"is_translator":false,"profile_background_color":"F5F8FA","profile_background_image_url":"","pro
file_background_image_url_https":"","profile_background_tile":false,"profile_link_color":"1DA1F2","profile_sidebar_border_color":"C0DEED","pro
file_sidebar_fill_color":"DDEEFF6","profile_text_color":"333333","profile_use_background_image":true,"profile_image_url":"http://pbs.twimg.co
m/profile_images/1293988811807088642/zcyAmlop_normal.jpg","profile_image_url_https":"https://pbs.twimg.com/profile_images/1293988811807
088642/zcyAmlop_normal.jpg","profile_banner_url":"https://pbs.twimg.com/profile_banners/822980822328283137/1571284996","default_profile"
:true,"default_profile_image":false,"following":null,"follow_request_sent":null,"notifications":null},"geo":null,"coordinates":null,"place":nu
ll,"contributors":null,"is_quote_status":false,"extended_tweet":{"full_text":"75 Former ambassadors sign letter refusing to vote for Donald Tr
ump ~ September 2016 \ud83d\ude02\n\nImagine calling oneself a statesman & putting your name on this https://t.co/wziwIvskBn https://
/t.co/uB4PEpSj30","display_text_range":[0,180],"entities":{"hashtags":[],"urls":[{"url":"https://t.co/wziwIvskBn","expanded_url":"https://
www.documentcloud.org/documents/3111751-Former-ambassadors-sign-a-letter-refusing-to.html","display_url":"documentcloud.org/documents/31
11\u2026","indices":[157,180]}],"user_mentions":[],"symbols":[],"media":[{"id":1295660758047522816,"id_str":"1295660758047522816","indices":[1
81,204],"media_url":"http://pbs.twimg.com/media/EfscmEDWAAAz9n7.jpg","media_url_https":"https://pbs.twimg.com/media/EfscmEDWAAAz9n7.jp
g","url":"https://t.co/uB4PEpSj30","display_url":"pic.twitter.com/uB4PEpSj30","expanded_url":"https://twitter.com/BabeReflex_8/status/
1295660762241871872/photo/1","type":"photo","sizes":{"thumb":{"w":150,"h":150,"resize":"crop"},"small":{"w":563,"h":680,"resize":"fit"},"me
dium":{"w":994,"h":1200,"resize":"fit"},"large":{"w":1126,"h":1360,"resize":"fit"}}},"id":1295660758043369480,"id_str":"1295660758043369480",
"indices":[181,204],"media_url":"http://pbs.twimg.com/media/EfscmECWoAgLTOf.jpg","media_url_https":"https://pbs.twimg.com/media/EfscmE
CWoAgLTOf.jpg","url":"https://t.co/uB4PEpSj30","display_url":"pic.twitter.com/uB4PEpSj30","expanded_url":"https://twitter.com/BabeRefle

```



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POLITÉCNICA
NACIONAL

3. Tweets relacionados a Donald Trump

C: > Users > Brayan Pisuña > Desktop > Prueba > Twitter Mongo >  harvesting_tweets_mongodb (1).py > ...

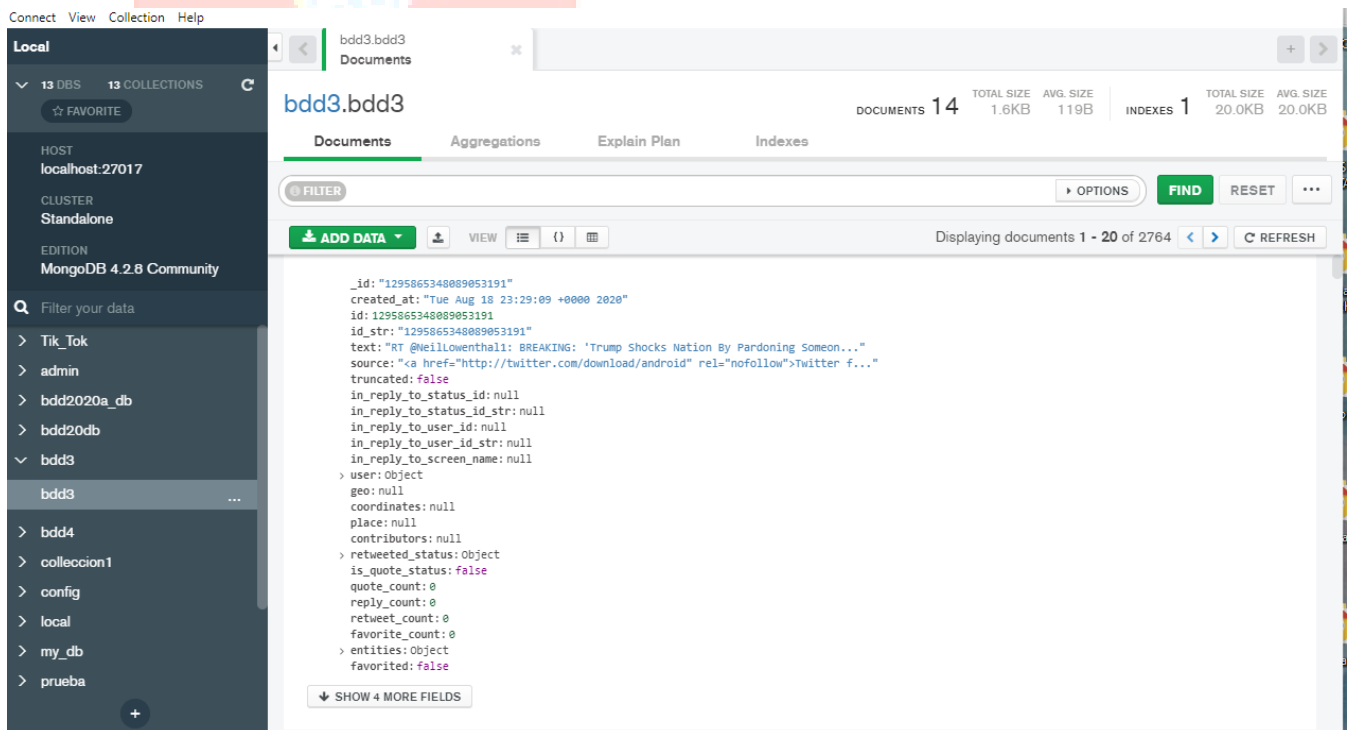
```
1  import pymongo
2  from tweepy import Stream
3  from tweepy import OAuthHandler
4  from tweepy.streaming import StreamListener
5  import json
6
7
8  ckey = "6Zyv4XxVypDqHDpFoHwSTrMzX"
9  csecret = "3J5TpltHtmEZGEw8RhRLABc3KQ2Quhjj2SVVykw5zs02fjtpC"
10 atoken = "153168970-C8H0rPCjztDmLQMrjtgOYSPIzjLMyegrtrAZQOrq"
11 asecret = "WxWpMOMlghN1tVYZRFugRWTefM1SShLWVI4lL4oPWTAl0"
12
13
14 class listener(StreamListener):
15
16     def on_data(self, data):
17         dictTweet = json.loads(data)
18         try:
19             dictTweet["_id"] = str(dictTweet['id'])
20             doc = mycol.insert_one(dictTweet)
21             print("SAVED" + str(doc) + "=>" + str(data))
22         except:
23             print("Already exists")
24             pass
25         return True
26
27     def on_error(self, status):
28         print(status)
29
```

SCIENTIA HOMINIS SALUS


```

30
31 auth = OAuthHandler(ckey, csecret)
32 auth.set_access_token(accessToken, asecret)
33 twitterStream = Stream(auth, listener())
34
35 '''Mmongo'''
36
37 myclient = pymongo.MongoClient("mongodb://localhost:27017")
38 mydb=myclient["bdd3"]
39 mycol = mydb["bdd3"]
40
41 '''=====LOCATIONS====='''
42
43
44 twitterStream.filter(track=['Donald Trump'])
45
46

```



The screenshot shows the MongoDB Compass web interface. On the left sidebar, under 'Local', the 'bdd3' database is selected. The main panel displays the 'Documents' tab for the 'bdd3.bdd3' collection. It shows 14 documents with a total size of 1.6KB and an average size of 119B. A single document is expanded, showing a tweet from @Mellowenthal1. The document structure includes fields like _id, created_at, id, id_str, text, source, truncated, in_reply_to_status_id, in_reply_to_status_id_str, in_reply_to_user_id, in_reply_to_user_id_str, in_reply_to_screen_name, user, geo, coordinates, place, contributors, retweeted_status, is_quote_status, quote_count, reply_count, retweet_count, favorite_count, entities, and favorited.

Subimos todo en la base bdd4

- Exportamos la base de datos 3

bdd3.bdd3 Documents

Export Collection bdd3.bdd3

Select Export File Type

JSON CSV

Output

C:\Users\Brayan Pisuña\Desktop\Prueba\bdd3.json BROWSE

Export completed 2764/2764 (100%)

< BACK CLOSE SHOW FILE

Documents

FILTER

ADD DATA

id: "1295" created_a id: 129586 id_str: "1 text: "RT source: " truncated in_reply_ in_reply_ in_reply_ in_reply_ in_reply_ user: Object geo: null coordinates: null place: null contributors: null retweeted_status: Object is_quote_status: false quote_count: 0 reply_count: 0 retweet_count: 0 favorite_count: 0 entities: Object favorited: false

SHOW 4 MORE FIELDS

| | |
|---------------|-------------|
| Tik-Tok | 18/8/2020 1 |
| Twitwer Geolo | 18/8/2020 1 |
| Twitwer Mongo | 18/8/2020 1 |
| Web Scraping | 18/8/2020 1 |
| bdd3 | 18/8/2020 1 |

Local

13 DBS 13 COLLECTIONS

☆ FAVORITE

HOST
localhost:27017

CLUSTER
Standalone

EDITION
MongoDB 4.2.8 Community

Filter your data

- Tik_Tok
- admin
- bdd2020a_db
- bdd20db
- bdd3
- bdd4
 - bdd4.Tiktok
- colleccion1
- config
- local
- my_db
- prueba
- tblnewsfuth

bdd4.bdd4.Tiktok Documents

Import To Collection bdd4.bdd4.Tiktok

Select File

C:\Users\Brayan Pisuña\Desktop\Prueba\bdd3.csv

BROWSE

Select Input File Type

JSON CSV

Options

Select delimiter COMMA

☒ Ignore empty strings

☐ Stop on errors

Specify Fields and Types

| | <input checked="" type="checkbox"/> _id String | <input checked="" type="checkbox"/> title String | <input checked="" type="checkbox"/> link String |
|---|---------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
| 1 | 5f3c781cebcebb89ab715123 | FutbolRed | blogs.futbolred.com/www.futbolred.com |
| 2 | 5f3c781cebcebb89ab715124 | Liga Águila | blogs.futbolred.com/www.futbolred.com/liga- |
| 3 | 5f3c781cebcebb89ab715125 | Copa Águila | blogs.futbolred.com/www.futbolred.com/copa- |
| 4 | 5f3c781cebcebb89ab715126 | Torneo Águila | blogs.futbolred.com/www.futbolred.com/torne |
| 5 | 5f3c781cebcebb89ab715127 | Liga BBVA | blogs.futbolred.com/www.futbolred.com/liga- |
| 6 | 5f3c781cebcebb89ab715128 | Premier League | blogs.futbolred.com/www.futbolred.com/premi |
| 7 | 5f3c781cebcebb89ab715129 | Otras ligas | blogs.futbolred.com/www.futbolred.com/otras |
| 8 | 5f3c781cebcebb89ab71512a | Champions League | blogs.futbolred.com/www.futbolred.com/champ |
| 9 | 5f3c781cebcebb89ab71512b | Copa Libertadores | blogs.futbolred.com/www.futbolred.com/copa- |

Connect View Collection Help

Local

13 DBS 13 COLLECTIONS

☆ FAVORITE

HOST
localhost:27017

CLUSTER
Standalone

EDITION
MongoDB 4.2.8 Community

Filter your data

- Tik_Tok
- admin
- bdd2020a_db
- bdd20db
- bdd3
- bdd4
 - bdd4.Tiktok
- colleccion1
- config
- local
- my_db
- prueba
- tblnewsfuth

bdd4.bdd4.Tiktok Documents

Documents 518 TOTAL SIZE 306.3KB AVG. SIZE 606B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

Documents Aggregations Explain Plan Indexes

Filter

Options FIND RESET

ADD DATA VIEW

Displaying documents 1 - 20 of 518

REFRESH

```
{
  "_id": "1295875201037721600"
  "_rev": "1-266b50eb931ce571514d676023a8fa1"
  "created_at": "Wed Aug 19 00:08:18 +0000 2020"
  "id": "1295875201037721600"
  "id_str": "1295875201037721600"
  "text": "El Niño is the nan next big thing buy your stocks low today @tatis_fr ..."
  "source": "<a href='\"http://twitter.com/download/iphone\"' rel='\"nofollow\">Twitter fo..."
  "truncated": false
  "in_reply_to_status_id": null
  "in_reply_to_status_id_str": null
  "in_reply_to_user_id": null
  "in_reply_to_user_id_str": null
  "in_reply_to_screen_name": null
  "user": Object
    geo: null
    coordinates: null
    place: Object
      contributors: null
      is_quote_status: false
      quote_count: 0
      reply_count: 0
      retweet_count: 0
      favorite_count: 0
    entities: Object
      favorited: false
}
```

SHOW 4 MORE FIELDS

4.

Export Collection bdd4.bdd4.Tiktok

Select Export File Type

JSON

CSV

Output

C:\Users\Brayan Pisuña\Desktop\Prueba\bdd4.json

BROWSE

Export completed

518/518 (100%)

< BACK

CLOSE

SHOW FILE

The logo of the Escuela Politécnica Nacional (EPN) is displayed. It features a shield with a book on the left and a gear on the right, with a banner below reading "SCIENTIA HOMINIS SALUS".

mongodb+srv://brayanpisuna:brayanpisuna@cluster0.qb6j9.mongodb.net/tes

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POLITÉCNICA
NACIONAL